

FORM PTO-1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 06111 USA	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Keith A. Welp, et al.	
		FILING DATE	GROUP

(37 CFR 1.98(b))

1996 U.S. PTO
 09/942839
 08/30/01

U.S. PATENT DOCUMENTS

EXAM- INER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4	4	2	8	9	2	2		1/31/1984	Q. G. Hopkins, et al.	423	588	5/14/1982
	4	5	5	2	7	4	8		11/12/1985	C. T. Berglin, et al.	423	588	9/6/1983
	5	0	6	3	0	4	3		11/5/1991	E. A. Bengtsson, et al.	423	588	2/23/1990
	5	4	7	8	5	3	5		12/26/1995	G. Fierz, et al.	422/205	422/198	6/3/1994
	5	6	8	8	0	4	7		11/18/1997	A. Signer, et al.	366	337	8/7/1996
	5	7	6	3	6	8	7		6/9/1998	J. Morisaki, et al.	568/927	568/924	12/10/1996
	5	7	7	9	9	9	5		7/14/1998	H. Witt, et al.	422/215	422/224	9/25/1995
	6	0	0	5	1	4	3		12/21/1999	R. M. Machado, et al.	564/423	564/420	8/7/1998
	6	2	4	2	6	4	9		6/5/2001	H. Beckhaus, et al.	564/422	564/416	10/2/1998

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
DE	1	9	8	4	4	9	0	1		Abstract - German Patent				
		0	2	3	3	6	4	2		EPO				X
WO	9	8	5	5	2	1	6			PCT				X
WO	0	0	3	5	8	5	2			PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Grosz-Röll, F., J. Bättig and F. Moser, of Koch Engineering Company, Inc. entitled, "Gas/Liquid Mass Transfer with Static Mixing Units", Fourth European Conference on Mixing, April 27-29 1982 pp 225-236
		Heiszwolf, Johan J., et al. "Hydrodynamic Aspects of the Monolith Loop Reactor", Chemical Engineering Science 56 (2001) 805-812
		Patrick, Robert H., et al. "Residence Time Distribution in Three-Phase Monolith Reactor" AIChE Journal, March 1995, Vol. 41, No. 3, pp 649-657
		Kawakami, Koei, et al., "Performance of a Honeycomb Monolith Bioreactor in a Gas-Liquid-Solid Three-Phase System", Ind. Eng. Chem. Res. 1989, 28, 394-400

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.